

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/07/98

Date Received: 04/24/98

Project: Metro Self-Monitor, PO# M76307

Date Samples Extracted: 05/05/98

Date Extracts Analyzed: 05/05/98

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE
FOR CHROMIUM, COPPER, NICKEL, ZINC
USING METHOD 6010**

Samples Processed Using Method 3005A

Results Reported as mg/L (ppm)

<u>Sample ID</u>	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M76307	0.53	0.40	0.51	0.12
Method Blank	<0.05	<0.05	<0.05	<0.05

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QUALITY ASSURANCE RESULTS FOR TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Laboratory Code: 804133-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	mg/L (ppm)	0.53	0.52	2	0-20
Copper	mg/L (ppm)	0.40	0.38	5	0-20
Nickel	mg/L (ppm)	0.51	0.45	13	0-20
Zinc	mg/L (ppm)	0.12	0.12	0	0-20

Laboratory Code: 804133-01 (Matrix Spike)


Analyte	Reporting Units	Spike Level	Sample Result	% Recovery MS	% Recovery MSD	Acceptance Criteria	RPD
Chromium	mg/L (ppm)	5	0.53	90	92	80-120	2
Copper	mg/L (ppm)	5	0.40	93	98	80-120	5
Nickel	mg/L (ppm)	10	0.51	90	93	80-120	3
Zinc	mg/L (ppm)	5	0.12	90	92	80-120	2

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	% Recovery LCS	% Recovery LCSD	Acceptance Criteria	RPD
Chromium	mg/L (ppm)	5	97	98	80-120	1
Copper	mg/L (ppm)	5	104	104	80-120	0
Nickel	mg/L (ppm)	10	99	100	80-120	1
Zinc	mg/L (ppm)	5	97	97	80-120	0



804133 | 4-24-98 ~~SECRET~~
10:35 am

Send Report To: Alaskan Copper Works Contact: Eric Thompson
Company: 628 Ambrose
Address: Seattle WA
City, State, Zip: 206 382-8379
Phone #: FAX # (206) 382-4309 Date: 4-22-98

SITE NO	PROJECT NAME	PURCHASE ORDER #
7238	metro self monitor	m 76307
SAMPLES (signature)	PROJECT LOCATION	
	8200 6th Ave	
REMARKS	SAMPLE DISPOSAL INSTRUCTIONS	

REMARKS	SAMPLE DISPOSAL INFORMATION
	<input type="checkbox"/> Dispose after 30 days <input checked="" type="checkbox"/> Return Samples <input type="checkbox"/> Call for Instructions

[illegible]

SIGNATURE	PRINT NAME	COMPANY	Date	Time
Relinquished by: 	GERALD Thompson	ACW	4/24/98	10:35 AM
Received by: 	Charlene Jensen	FBI	4-24-98	10:35
Relinquished by:				
Received by:				

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Jensen, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

May 7, 1998

DUPLICATE COPY
INVOICE #98ACU0507-2

Accounts Payable
Alaskan Copper Works
628 South Hanford St.
Seattle, WA 98134

RE: Project Metro Self-Monitor, PO# M76307: Results of testing requested
by Gerry Thompson for material submitted on April 24, 1998.

1 water sample analyzed for
Chromium, Copper, Nickel, and Zinc
using Method 6010 @ \$65 per sample

\$ 65.00

Amount Due

\$ 65.00

FEDERAL TAX ID: (b) (6)

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

May 7, 1998

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford St.
Seattle, WA 98134


Dear Mr. Thompson:

Included are the results from the testing of material submitted on April 24, 1998 from your Metro Self-Monitor, PO# M76307 project. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Manuel Marti
Project Manager

Enclosures
ACU0507R.DOC